

Title (en)
Organic light emitting display apparatus and method of repairing the same

Title (de)
Organische lichtemittierende Anzeigevorrichtung und Verfahren zur Reparatur davon

Title (fr)
Appareil d'affichage électroluminescent organique et son procédé de réparation

Publication
EP 2876683 A3 20150617 (EN)

Application
EP 14179847 A 20140805

Priority
KR 20130141476 A 20131120

Abstract (en)
[origin: EP2876683A2] An organic light emitting display apparatus (100) includes: a plurality of emission pixels (EP_{ij}, EP_{i+1,j}) arranged in a matrix of a plurality of rows and a plurality of columns, wherein the emission pixels (EP_{ij}, EP_{i+1,j}) each comprise a light emitting diode (LED) (E); a plurality of dummy pixels (DP_j, DP_{j+1}); a plurality of repair lines (V.RL_i, V.RL_{i+1}), wherein at least one (EP_{ij}) of the plurality of emission pixels is coupled to at least one (DP_j) of the plurality of dummy pixels through one (V.RL_j) of the repair lines; and at least one auxiliary repair line (H.RL_i) coupling at least two (V.RL_j, V.RL_{j+1}) of the plurality of repair lines.

IPC 8 full level
H01L 27/32 (2006.01)

CPC (source: EP KR US)
G09G 3/32 (2013.01 - KR); **G09G 3/3233** (2013.01 - US); **G09G 3/3266** (2013.01 - US); **H10K 59/00** (2023.02 - KR);
H10K 59/131 (2023.02 - EP US); **H10K 59/88** (2023.02 - EP US); **G09G 2300/0439** (2013.01 - US); **H10K 71/861** (2023.02 - EP US)

Citation (search report)

- [I] EP 2535888 A1 20121219 - SHARP KK [JP]
- [I] US 2007029615 A1 20070208 - LAI HAN-CHUNG [TW]
- [I] US 2012092306 A1 20120419 - LIU CHI-CHAO [TW]
- [I] US 6327007 B1 20011204 - SHIM CHANG BO [KR]
- [I] US 6014191 A 20000111 - KIM DONG-GYU [KR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2876683 A2 20150527; EP 2876683 A3 20150617; EP 2876683 B1 20170510; CN 104659058 A 20150527; CN 104659058 B 20190510;
CN 109887986 A 20190614; CN 109887986 B 20230519; KR 102141204 B1 20200805; KR 20150057738 A 20150528;
US 2015138171 A1 20150521

DOCDB simple family (application)
EP 14179847 A 20140805; CN 201410571912 A 20141023; CN 201910309845 A 20141023; KR 20130141476 A 20131120;
US 201414297452 A 20140605